

Product datasheet for **TA384588**

KCNQ2 Rabbit Polyclonal Antibody

Product data:

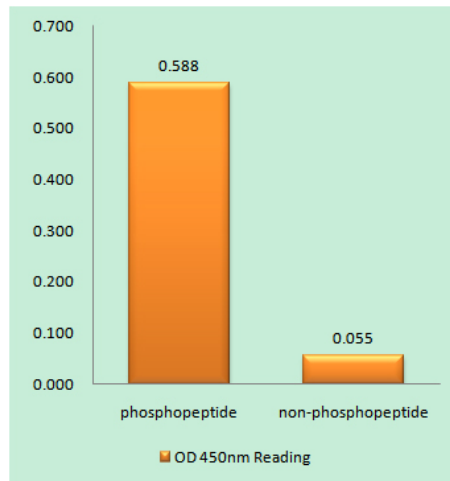
Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	IHC: 1/100-1/300 ELISA: 1/20000
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized peptide derived from human Kv7.3/KCNQ3 around the phosphorylation site of Thr246. AA range:191-240 (Phosphorylated)
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Gene Name:	potassium voltage-gated channel subfamily Q member 2
Database Link:	Entrez Gene 3785 Human O43526
Background:	Swiss-Prot Acc.O43526/O43525/P56696/Q9NR82.The M channel is a slowly activating and deactivating potassium channel that plays a critical role in the regulation of neuronal excitability. The M channel is formed by the association of the protein encoded by this gene and a related protein encoded by the KCNQ3 gene, both integral membrane proteins. M channel currents are inhibited by M1 muscarinic acetylcholine receptors and activated by retigabine, a novel anti-convulsant drug. Defects in KCNQ2 are a cause of benign familial neonatal convulsions type 1 (BFNC), also known as epilepsy, benign neonatal type 1 (EBN1). At least five transcript variants encoding five different isoforms have been found for this gene.



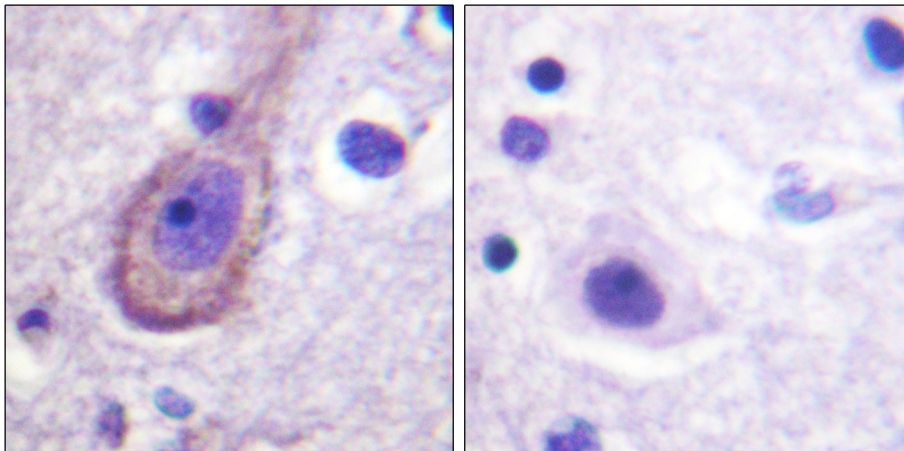
[View online »](#)

Synonyms: BFNC; EBN; EBN1; ENB1; HNSPC; KCNA11; KV7.2; KVEBN1

Product images:



EnzymeLinked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phospho-peptide (Phospho-left) and NonPhospho-peptide (Phospho-right), using Kv7.3/KCNQ3 (Phospho-Thr24)antibody



Immunohistochemical analysis of paraffin-embedded Human tonsils using Phospho-KCNQ2/3/4/5 (Thr217/Thr246/Thr223/Thr251) antibody. Sample with blocking peptide on the right. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.